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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/092,004A

DATE: 09/27/2002
TIME: 13:10:20

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\09272002\J092004A.raw

3 <110> APPLICANT: Corvas International, Inc.
4 Madison, Edwin L.
5 Semple, Joseph Edward
6 Coombs, Gary Samuel
7 Reiner, John Eugene
8 Ong, Edgar O.
9 Araldi, Gian Luca
11 <120> TITLE OF INVENTION: Inhibitors of Serine Protease Activity of Matriptase or
TSP1
13 <130> FILE REFERENCE: 018813/0282105
15 <140> CURRENT APPLICATION NUMBER: 10/092,004A
--> 16 <141> CURRENT FILING DATE: 2002-09-12
18 <150> PRIOR APPLICATION NUMBER: PCT/US01/28137
19 <151> PRIOR FILING DATE: 2001-09-07
21 <150> PRIOR APPLICATION NUMBER: 09/657,986
22 <151> PRIOR FILING DATE: 2000-09-08
24 <160> NUMBER OF SEQ ID NOS: 11
26 <170> SOFTWARE: PatentIn version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 726
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo Sapiens
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <223> OTHER INFORMATION: Nucleic acid sequence of protease domain of MTSP1
37 <400> SEQUENCE: 1
39 gttgttgggg gcacggatgc ggatgagggc gagtggccct ggcaggtaag cctgcatgct 60
41 ctgggccagg gccacatctg cgggtgcttc ctcactcttc ccaactggct ggtctctgcc 120
43 gcacactgct acatcgatga cagaggattc aggtactcag accccacgca gtggacggcc 180
45 ttctctgggt tgcacgacca gagccagcgc agcgcctctg ggggtgcagga gcgcaggctc 240
47 aagcgcacat tctcccaccc cttcttcaat gacttcacct tcgactatga catcgcgctg 300
49 ctggagctgg agaaaccggc agagtacagc tccatgggtg gggccatctg cctgocggac 360
51 gcctcccatg tcttccctgc cggcaaggcc atctgggtca cgggctgggg acacacccag 420
53 tatggaggca ctggcgcgct gatcctgcaa aagggtgaga tccgcgtcat caaccagacc 480
55 acctgcgaga acctcctgcc gcagcagatc acgccgcgca tgatgtgcgt gggcttcttc 540
57 agcggcgggc tggactcctg ccagggtgat tccgggggac cctgtgccag cgtggaggcg 600
59 gatgggcgga tcttccaggc cgggtgtggt agctggggag acggctgcgc tcagagggaac 660
61 aagccaggcg tgtacacaag gctccctctg ttctgggact ggatcaaaga gaacactggg 720
63 gtatag 726
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 241
67 <212> TYPE: PRT
68 <213> ORGANISM: Homo Sapiens
70 <400> SEQUENCE: 2

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72 Val Val Gly Gly Thr Asp Ala Asp Glu Gly Glu Trp Pro Trp Gln Val
73 1 5 10 15
75 Ser Leu His Ala Leu Gly Gln Gly His Ile Cys Gly Ala Ser Leu Ile
76 20 25 30
78 Ser Pro Asn Trp Leu Val Ser Ala Ala His Cys Tyr Ile Asp Asp Arg
79 35 40 45
81 Gly Phe Arg Tyr Ser Asp Pro Thr Gln Trp Thr Ala Phe Leu Gly Leu
82 50 55 60
84 His Asp Gln Ser Gln Arg Ser Ala Pro Gly Val Gln Glu Arg Arg Leu
85 65 70 75 80
87 Lys Arg Ile Ile Ser His Pro Phe Phe Asn Asp Phe Thr Phe Asp Tyr
88 85 90 95
90 Asp Ile Ala Leu Leu Glu Leu Glu Lys Pro Ala Glu Tyr Ser Ser Met
91 100 105 110
93 Val Arg Pro Ile Cys Leu Pro Asp Ala Ser His Val Phe Pro Ala Gly
94 115 120 125
96 Lys Ala Ile Trp Val Thr Gly Trp Gly His Thr Gln Tyr Gly Gly Thr
97 130 135 140
99 Gly Ala Leu Ile Leu Gln Lys Gly Glu Ile Arg Val Ile Asn Gln Thr
100 145 150 155 160
102 Thr Cys Glu Asn Leu Leu Pro Gln Gln Ile Thr Pro Arg Met Met Cys
103 165 170 175
105 Val Gly Phe Leu Ser Gly Gly Val Asp Ser Cys Gln Gly Asp Ser Gly
106 180 185 190
108 Gly Pro Leu Ser Ser Val Glu Ala Asp Gly Arg Ile Phe Gln Ala Gly
109 195 200 205
111 Val Val Ser Trp Gly Asp Gly Cys Ala Gln Arg Asn Lys Pro Gly Val
112 210 215 220
116 Tyr Thr Arg Leu Pro Leu Phe Arg Asp Trp Ile Lys Glu Asn Thr Gly
117 225 230 235 240
119 Val

```

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121 <210> SEQ ID NO: 3
122 <211> LENGTH: 23
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of artificial sequence: PC-3 sscDNA sense
128 oligonucleotide primer

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V--> 130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (0)...(0)
132 <223> OTHER INFORMATION: N=Inosine

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```

V--> 134 <400> 3
V--> 136 tggrtnvtnw sngcnrcnca ytg 23

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139 <210> SEQ ID NO: 4
140 <211> LENGTH: 30
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of artificial sequence: PC-3 sscDNA anti-sense

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```

146     oligonucleotide primer
--> 148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (0)...(0)
150 <223> OTHER INFORMATION: N=Inosine
--> 152 <400> 4
--> 154     nggnccnccn swrtcnccyt nrcanghrtc           30
157 <210> SEQ ID NO: 5
158 <211> LENGTH: 28
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of artificial sequence:
164     oligonucleotide primer
166 <400> SEQUENCE: 5
168     cacccttct tcaatgactt caccttcg           28
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 18
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of artificial sequence:
179     oligonucleotide primer
181 <400> SEQUENCE: 6
183     tacctctct acgactcc           18
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 25
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of artificial sequence:
193     oligonucleotide primer
195 <400> SEQUENCE: 7
197     gaggttctcg caggtggtct gggtg           25
200 <210> SEQ ID NO: 8
201 <211> LENGTH: 39
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of artificial sequence:
207     oligonucleotide primer
209 <400> SEQUENCE: 8
211     ctcgagaaaa gagttgttgg gggcacggat gcggatgag           39
214 <210> SEQ ID NO: 9
215 <211> LENGTH: 36
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of artificial sequence:
221     oligonucleotide primer

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223 <400> SEQUENCE: 9
225      gcggccgcac tataccccag tggtctcttt gatcca
228 <210> SEQ ID NO: 10
229 <211> LENGTH: 9
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo Sapiens
233 <400> SEQUENCE: 10
235      Val Val Gly Gly Thr Asp Ala Asp Glu
236      1                    5
239 <210> SEQ ID NO: 11
240 <211> LENGTH: 726
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo Sapiens
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <223> OTHER INFORMATION: Nucleic acid sequence of protease domain of MTSP1
248 <400> SEQUENCE: 11
250      caacaacccc cgtgcctacg cctactcccc ctcaccggga ccggtccattc ggacgtacga
252      gacccggtcc cgggtgtagac gccacgaagg gagtagagag gggtgaccga ccagagacgg
254      cgtgtgacga tgtagctact gtctcctaag tccatgagtc tggggtgcgt cacctgccgg
256      aaggaccgga acgtgctggt ctgggtcgcg tcgcggggac cccacgtcct cgcgtccgag
258      ttcgcgtagt agaggggtgg gaagaagtta ctgaagtgga agctgatact gtagcgcgac
260      gacctcgacc tctttggccg tctcatgtcg aggtaccacg ccgggtagac ggacggcctg
262      cggaggggtac agaagggacg gccgttcccg tagaccacgt gcccgacccc tgtgtgggtc
264      atacctccgt gaccgcgcga ctaggacgtt ttcccactct aggcgcagta gttggtctgg
266      tggacgtctt tggaggacgg cgtcgtctag tgcggcgcgt actacacgca cccgaaggag
268      tcgccgccgc acctgaggac ggtcccacta aggcccccctg gggacaggtc gcacctccgc
270      ctaccgcctt agaaggtccg gccacaccac tcgacccttc tgccgacgcg agtctccttg
272      ttcgggtccgc acatgtgttc cgagggagac aaagccctga cctagtttct cttgtgacct
274      catatc
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600
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720
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/092,004A

DATE: 09/27/2002
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Input Set : A:\Sequence Listing.txt
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Please Note:

se of n and/or Xaa have been detected in the Sequence Listing. Please review the
equence Listing to ensure that a corresponding explanation is presented in the <220>
o <223> fields of each sequence which presents at least one n or Xaa.

eq#:3; N Pos. 6,9,12,15,18

eq#:4; N Pos. 1,4,7,10,16,21,25

VERIFICATION SUMMARY
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:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
:130 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
:134 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
:148 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
:152 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0